

Listing of all claims as amended

- 5 1.(PRESENTLY AMENDED) A peptide selected from the group having the formulae:
 $R_1-A^0-A^1-A^2-Asp-Ala-A^5-A^6-Thr-A^8-A^9-A^{10}-A^{11}-A^{12}-Val-Leu-A^{15}-A^{16}-Leu-Ser-A^{19}-A^{20}-A^{21}-A^{22}-Leu-Gln-Asp-Ile-A^{27}-A^{28}-A^{29}-A^{30}-R_2$
 wherein R_1 is a member of the group consisting of a) PhAc, Hca, Dat, IndAc, Ipa, 1-Nac, 2-Nac, 1-Npr, 2-Npr, Ibu; $CH_3(CH_2)_nCO$, or $HOOC(CH_2)_nCO$, where n is an integer from 2 to 20,
 10 and b) any other straight chain, branch chain, saturated, unsaturated or poly unsaturated aliphatic carboxyl group of 2-30 carbon atoms and any carbocyclic or heterocyclic aromatic carboxyl group of 3-8 carbon atoms containing at least one atom of the group S, N, and O in the heterocyclic ring,
 A^0 is Phe, D-Phe, Arg, D-Arg, or ~~a carbon nitrogen single bond is absent~~
 A^1 is Tyr or His,
 15 A^2 is D-Arg or D-Cit,
 A^5 is Ile or Val,
 A^6 is Phe, Tyr, Nal, or Phe(Y), in which Y=F, Cl, Br, or I,
 A^8 is Asn, D-Asn, Cit, D-Cit, Gln, D-Gln, Ser, D-Ser, Thr, D-Thr, Ala, D-Ala, Abu, D-Abu, or Aib,
 A^9 is His, D-His, Amp, D-Amp, Gup, or D-Gup,
 20 A^{10} is Tyr, Tyr(Et), Tyr(Me); Phe(Y), in which Y=H, F, Cl, Br, or I; Amp, His, Cha, Chg, Bpa, Dip, Trp, Trp(For), Tpi, 1-Nal, 2-Nal, 3-Pal, 4-Pal, Phe(NH₂), or Phe(NO₂),
 A^{11} is His, D-His, Arg, D-Arg, Cit, Har, D-Har, Amp, D-Amp, Gup, or D-Gup,
 A^{12} is Lys, D-Lys, Orn, D-Orn, Har, D-Har, Cit, D-Cit, Nle, or Ala,
 A^{15} is Gly, Ala, Abu, Aib, Nle, Gln, Cit, or His,
 25 A^{16} is Gln or Arg,
 A^{19} is Ala or Abu,
 A^{20} is His, D-His, Arg, D-Arg, or Cit,
 A^{21} is Lys, D-Lys, Orn, D-Orn, Cit, or D-Cit,
 A^{22} is Leu, Ala or Aib,
 30 A^{27} is Met, Leu, Nle, Abu, or D-Arg,
 A^{28} is Arg, D-Arg, Har, D-Har, Ser, Asn, Asp, Ala, Abu, or Cit,
 A^{29} is Arg, D-Arg, Har, D-Har, Cit, D-Cit, or Agm,
 A^{30} is Arg, D-Arg, Har, D-Har, Cit, D-Cit, Agm, or is ~~a carbon nitrogen or carbon oxygen single bond absent~~,
 35 R_2 is $-NH_2$, $-NH-NH_2$, $-NH-OH$, $-NHR_3$, $-NR_3R_4$, $-OH$, or $-OR_3$, in which R_3 and R_4 are any of C_{1-10} alkyl, C_{2-10} alkenyl, C_{2-10} alkynyl, C_{7-10} phenylalkyl, $-C_6H_5$, or $-CH(C_6H_5)_2$;
 provided that if A^{29} is Agm then A^{30} and R_2 are absent, and if A^{30} is Agm then R_2 is absent,
 and pharmaceutically acceptable salts thereof.

2. (ORIGINAL) The compound of claim 1 wherein one or both of A¹¹ and A²⁰ are other than Arg, D-Arg, or Cit.

5 3. (ORIGINAL) A compound of claim 1 selected from the group consisting of:

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Amp⁹, Tyr(Me)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂
Peptide 67

10 [PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Amp⁹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂
Peptide 68

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, His⁹, Tyr(Me)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂
Peptide 69

15 [CH₃(CH₂)₆CO-Tyr¹, D-Arg², Phe(pCl)⁶, Amp⁹, Tyr(Me)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂
Peptide 70

[HOOC(CH₂)₈CO-Tyr¹, D-Arg², Phe(pCl)⁶, Amp⁹, Tyr(Me)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-
20 RH(1-29)NH₂ Peptide 71

[HOOC(CH₂)₁₂CO-Tyr¹, D-Arg², Phe(pCl)⁶, Amp⁹, Tyr(Me)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-
RH(1-29)NH₂ Peptide 72

25 [PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Amp⁹, Tyr(Me)¹⁰, His¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂
Peptide 73

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Cit⁸, Amp⁹, Tyr(Me)¹⁰, His¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂
Peptide 74

30 [1-Nac-Tyr¹, D-Arg², Phe(pCl)⁶, Cit⁸, Amp⁹, Tyr(Me)¹⁰, His¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-
RH(1-29)NH₂ Peptide 75

[CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Cit⁸, Amp⁹, Tyr(Me)¹⁰, His¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸,
35 Har²⁹]hGH-RH(1-29)NH₂ Peptide 76

[HOOC(CH₂)₁₂CO -Tyr¹, D-Arg², Phe(pCl)⁶, Cit⁸, Amp⁹, Tyr(Me)¹⁰, His¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸,
Har²⁹]hGH-RH(1-29)NH₂ Peptide 77

- [CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Cit⁸, Amp⁹, Tyr(Et)¹⁰, His¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 78
- [CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Cit⁸, His⁹, Tyr(Et)¹⁰, His¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, 5 Har²⁹]hGH-RH(1-29)NH₂ Peptide 79
- [CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Tyr(Et)¹⁰, His¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 80
- 10 [HOOC(CH₂)₈CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Tyr(Et)¹⁰, His¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 81
- [HOOC(CH₂)₁₂CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Tyr(Et)¹⁰, His¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 82
- 15 [CH₃(CH₂)₆CO-Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Tyr(Et)¹⁰, His¹¹, Abu¹⁵, His²⁰, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 86
- [CH₃(CH₂)₆CO-Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, Amp⁹, Tyr(Et)¹⁰, His¹¹, Abu¹⁵, His²⁰, Nle²⁷, D-Arg²⁸, 20 Har²⁹]hGH-RH(1-29)NH₂ Peptide 87
- [HOOC(CH₂)₁₂CO-Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Tyr(Et)¹⁰, His¹¹, Abu¹⁵, His²⁰, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 88
- 25 [HOOC(CH₂)₁₂CO-Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, Amp⁹, Tyr(Et)¹⁰, His¹¹, Abu¹⁵, His²⁰, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 89
- [1-Nac-Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Tyr(Et)¹⁰, His¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 91
- 30 [CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, His⁹, Tyr(Et)¹⁰, His¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 92
- [CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Cit¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 93
- 35 [CH₃(CH₂)₆CO-Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Tyr(Et)¹⁰, His¹¹, His¹⁵, His²⁰, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 94

- [CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Tyr(Et)¹⁰, His¹¹, Orn¹², Abu¹⁵, Orn²¹, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 95
- [CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Tyr(Et)¹⁰, His¹¹, Orn¹², Abu¹⁵, His²⁰, Orn²¹, Nle²⁷, 5 D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 96
- [CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Tyr(Et)¹⁰, His¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NHEt Peptide 97
- 10 [CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Tyr(Et)¹⁰, His¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NHEt Peptide 98
- [CH₃(CH₂)₁₀CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Tyr(Et)¹⁰, His¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NHEt Peptide 99
- 15 [Hca -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Tyr(Et)¹⁰, His¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NHEt Peptide 100
- [CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Tyr(Et)¹⁰, His¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, 20 Har²⁹]hGH-RH(1-29)NHMe Peptide 101
- [HOOC(CH₂)₁₂CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Tyr(Et)¹⁰, His¹¹, Orn¹², Abu¹⁵, His²⁰, Orn²¹, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 102
- 25 [CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, Amp⁹, Tyr(Et)¹⁰, His¹¹, Orn¹², Abu¹⁵, His²⁰, Orn²¹, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 103
- [CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Dip¹⁰, His¹¹, Orn¹², Abu¹⁵, His²⁰, Orn²¹, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 104
- 30 [CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Phe(pNO₂)¹⁰, His¹¹, Orn¹², Abu¹⁵, His²⁰, Orn²¹, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 105
- [CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Tyr(Et)¹⁰, His¹¹, Orn¹², Abu¹⁵, His²⁰, Orn²¹, Nle²⁷, 35 D-Arg²⁸, Har²⁹]hGH-RH(1-29)NHEt Peptide 106
- [HOOC(CH₂)₁₂CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, Amp⁹, Tyr(Et)¹⁰, His¹¹, Orn¹², Abu¹⁵, His²⁰, Orn²¹, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 107

[HOOC(CH₂)₁₂CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Dip¹⁰, His¹¹, Orn¹², Abu¹⁵, His²⁰, Orn²¹, Nie²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 108

[HOOC(CH₂)₁₂CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Phe(pNO₂)¹⁰, His¹¹, Orn¹², Abu¹⁵, His²⁰, 5 Orn²¹, Nie²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 109

[HOOC(CH₂)₁₂CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Tyr(Et)¹⁰, His¹¹, Orn¹², Abu¹⁵, His²⁰, Orn²¹, Nie²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 110

10 [CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, Amp⁹, Dip¹⁰, His¹¹, Orn¹², Abu¹⁵, His²⁰, Orn²¹, Nie²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 111

[CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, Amp⁹, Phe(pNO₂)¹⁰, His¹¹, Orn¹², Abu¹⁵, His²⁰, Orn²¹, Nie²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 112

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[CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, Amp⁹, Tyr(Et)¹⁰, His¹¹, Orn¹², Abu¹⁵, His²⁰, Orn²¹, Nie²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 113

[CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Dip¹⁰, His¹¹, Orn¹², Abu¹⁵, His²⁰, Orn²¹, Nie²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 114

[CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Phe(pNO₂)¹⁰, His¹¹, Orn¹², Abu¹⁵, His²⁰, Orn²¹, Nie²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 115

25 [HOOC(CH₂)₁₂CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, Amp⁹, Dip¹⁰, His¹¹, Orn¹², Abu¹⁵, His²⁰, Orn²¹, Nie²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 116

[HOOC(CH₂)₁₂CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, Amp⁹, Phe(pNO₂)¹⁰, His¹¹, Orn¹², Abu¹⁵, His²⁰, Orn²¹, Nie²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 117

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[CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, Amp⁹, Dip¹⁰, His¹¹, Orn¹², Abu¹⁵, His²⁰, Orn²¹, Nie²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 118

[CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, Amp⁹, Phe(pNO₂)¹⁰, His¹¹, Orn¹², Abu¹⁵, His²⁰, Orn²¹, 35 Nie²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 119

[HOOC(CH₂)₁₂CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, Amp⁹, Dip¹⁰, His¹¹, Orn¹², Abu¹⁵, His²⁰, Orn²¹, Nie²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 120

[HOOC(CH₂)₁₂CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, Amp⁹, Phe(pNO₂)¹⁰, His¹¹, Orn¹², Abu¹⁵, His²⁰, Orn²¹, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 121

5 4. (ORIGINAL) A compound of claim 3 selected from the group consisting of :

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Amp⁹, Tyr(Me)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂
Peptide 67

10 [PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, His⁹, Tyr(Me)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂
Peptide 69

[CH₃(CH₂)₆CO-Tyr¹, D-Arg², Phe(pCl)⁶, Amp⁹, Tyr(Me)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 70

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[HOOC(CH₂)₁₂CO-Tyr¹, D-Arg², Phe(pCl)⁶, Amp⁹, Tyr(Me)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 72

20 [CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Cit⁸, Amp⁹, Tyr(Me)¹⁰, His¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 76

[HOOC(CH₂)₁₂CO -Tyr¹, D-Arg², Phe(pCl)⁶, Cit⁸, Amp⁹, Tyr(Me)¹⁰, His¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 77

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[CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Cit⁸, His⁹, Tyr(Et)¹⁰, His¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 79

[CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Tyr(Et)¹⁰, His¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 80

[CH₃(CH₂)₆CO-Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Tyr(Et)¹⁰, His¹¹, Abu¹⁵, His²⁰, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 86

35 [CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Tyr(Et)¹⁰, His¹¹, Orn¹², Abu¹⁵, Orn²¹, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 95

[CH₃(CH₂)₆CO -Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Tyr(Et)¹⁰, His¹¹, Orn¹², Abu¹⁵, His²⁰, Orn²¹, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 96

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[CH₃(CH₂)₆CO-Tyr¹, D-Arg², Phe(pCl)⁶, Ala⁸, His⁹, Tyr(Et)¹⁰, His¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂
Peptide 97

5. (PRESENTLY AMENDED) A compound selected from the group consisting of:

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[CH₃(CH₂)₄CO-Tyr¹, D-Arg², Phe(pCl)⁶, Arg⁹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂
Peptide 2

10

[HOOC(CH₂)₄CO-Tyr¹, D-Arg², Phe(pCl)⁶, Arg⁹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂
Peptide 3

[CH₃(CH₂)₆CO-Tyr¹, D-Arg², Phe(pCl)⁶, Arg⁹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂
Peptide 4

15

[HOOC(CH₂)₆CO-Tyr¹, D-Arg², Phe(pCl)⁶, Arg⁹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂
Peptide 5

[CH₃(CH₂)₈CO-Tyr¹, D-Arg², Phe(pCl)⁶, Arg⁹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂
Peptide 6

20

[HOOC(CH₂)₈CO-Tyr¹, D-Arg², Phe(pCl)⁶, Arg⁹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂
Peptide 7

25

[CH₃(CH₂)₁₀CO-Tyr¹, D-Arg², Phe(pCl)⁶, Arg⁹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂
Peptide 8

[HOOC(CH₂)₁₀CO-Tyr¹, D-Arg², Phe(pCl)⁶, Arg⁹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂
Peptide 9

30

[CH₃(CH₂)₁₂CO-Tyr¹, D-Arg², Phe(pCl)⁶, Arg⁹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂
Peptide 10

[HOOC(CH₂)₁₂CO-Tyr¹, D-Arg², Phe(pCl)⁶, Arg⁹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂
Peptide 11

35

[CH₃(CH₂)₁₄CO-Tyr¹, D-Arg², Phe(pCl)⁶, Arg⁹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂
Peptide 12

[HOOC(CH₂)₁₄CO-Tyr¹, D-Arg², Phe(pCl)⁶, Arg⁹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂
Peptide 13

40

$[\text{CH}_3(\text{CH}_2)_6\text{CO-Tyr}^1, \text{D-Arg}^2, \text{Phe(pCl)}^6, \text{Arg}^9, \text{Abu}^{15}, \text{Nle}^{27}, \text{Har}^{28}, \text{D-Arg}^{29}]_{\text{hGH-RH(1-29)NH}_2}$
Peptide 14

5 $[\text{PhAc-Tyr}^1, \text{D-Arg}^2, \text{Phe(pCl)}^6, \text{Arg}^9, \text{Abu}^{15}, \text{Nle}^{27}, \text{Har}^{28}, \text{D-Arg}^{29}]_{\text{hGH-RH(1-29)NH}_2}$
Peptide 15

$[\text{CH}_3(\text{CH}_2)_{14}\text{CO-Phe}^0, \text{D-Arg}^2, \text{Phe(pCl)}^6, \text{Arg}^9, \text{Abu}^{15}, \text{Nle}^{27}, \text{D-Arg}^{28}, \text{Har}^{29}]_{\text{hGH-RH(1-29)NH}_2}$
Peptide 16

10 $[\text{CH}_3(\text{CH}_2)_{14}\text{CO-D-Phe}^0, \text{D-Arg}^2, \text{Phe(pCl)}^6, \text{Arg}^9, \text{Abu}^{15}, \text{Nle}^{27}, \text{D-Arg}^{28}, \text{Har}^{29}]_{\text{hGH-RH(1-29)NH}_2}$
Peptide 17

$[\text{PhAc-Arg}^0, \text{D-Arg}^2, \text{Phe(pCl)}^6, \text{Arg}^9, \text{Abu}^{15}, \text{Nle}^{27}, \text{D-Arg}^{28}, \text{Har}^{29}]_{\text{hGH-RH(1-29)NH}_2}$
15 Peptide 18

$[\text{PhAc-D-Arg}^0, \text{D-Arg}^2, \text{Phe(pCl)}^6, \text{Arg}^9, \text{Abu}^{15}, \text{Nle}^{27}, \text{D-Arg}^{28}, \text{Har}^{29}]_{\text{hGH-RH(1-29)NH}_2}$
Peptide 19

20 $[\text{PhAc-Tyr}^1, \text{D-Arg}^2, \text{Phe(pCl)}^6, \text{Cit}^8, \text{Arg}^9, \text{Abu}^{15}, \text{Nle}^{27}, \text{D-Arg}^{28}, \text{Har}^{29}]_{\text{hGH-RH(1-29)NH}_2}$
Peptide 21

$[\text{PhAc-Tyr}^1, \text{D-Arg}^2, \text{Phe(pCl)}^6, \text{Cit}^8, \text{Cit}^9, \text{Abu}^{15}, \text{Nle}^{27}, \text{D-Arg}^{28}, \text{Har}^{29}]_{\text{hGH-RH(1-29)NH}_2}$
Peptide 22

25 $[\text{PhAc-Tyr}^1, \text{D-Arg}^2, \text{Phe(pCl)}^6, \text{Cit}^8, \text{Arg}^9, \text{Abu}^{15}, \text{Nle}^{27}, \text{Har}^{28}, \text{D-Arg}^{29}]_{\text{hGH-RH(1-29)NH}_2}$
Peptide 23

$[\text{PhAc-Tyr}^1, \text{D-Arg}^2, \text{Phe(pCl)}^6, \text{Cit}^8, \text{Cit}^9, \text{Abu}^{15}, \text{Nle}^{27}, \text{Har}^{28}, \text{D-Arg}^{29}]_{\text{hGH-RH(1-29)NH}_2}$
30 Peptide 24

$[\text{HOOC}(\text{CH}_2)_{12}\text{CO-Tyr}^1, \text{D-Arg}^2, \text{Phe(pCl)}^6, \text{Cit}^8, \text{Cit}^9, \text{Abu}^{15}, \text{Nle}^{27}, \text{D-Arg}^{28}, \text{Har}^{29}]_{\text{hGH-RH(1-29)NH}_2}$
Peptide 25

35 $[\text{PhAc-Tyr}^1, \text{D-Arg}^2, \text{Phe(pCl)}^6, \text{D-Ala}^8, \text{Arg}^9, \text{Abu}^{15}, \text{Nle}^{27}, \text{D-Arg}^{28}, \text{Har}^{29}]_{\text{hGH-RH(1-29)NH}_2}$
Peptide 26

$[\text{PhAc-Tyr}^1, \text{D-Arg}^2, \text{Phe(pCl)}^6, \text{Abu}^8, \text{Arg}^9, \text{Abu}^{15}, \text{Nle}^{27}, \text{D-Arg}^{28}, \text{Har}^{29}]_{\text{hGH-RH(1-29)NH}_2}$
Peptide 27

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Cit⁹, Abu¹⁵, Nle²⁷, Har²⁸, D-Arg²⁸]hGH-RH(1-29)NH₂

Peptide 28

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Arg⁹, Amp¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂

5 Peptide 30

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Amp¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂

Peptide 31

10 [PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Arg⁹, His¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂

Peptide 32

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Arg⁹, Cha¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂

Peptide 33

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[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Tpi¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂

Peptide 34

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, 2-Nal¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂

20 Peptide 35

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Dip¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂

Peptide 36

25 [PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Phe(pNH₂)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂

Peptide 37

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Trp¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂

Peptide 38

30

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Phe(pNO₂)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂

Peptide 39

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, 3-Pal¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂

35 Peptide 40

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Tyr(Et)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂

Peptide 41

[PhAc-His¹, D-Arg², Tyr⁶, Har⁹, Bpa¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂

Peptide 42

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Arg⁹, Har¹², Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂

5 Peptide 43

[Hca-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Tyr(Me)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂

Peptide 45

10 [PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Tyr(Me)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂

Peptide 46

[Hca-Tyr¹, D-Arg², Phe(pCl)⁶, Arg⁹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂

Peptide 47

15

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Arg⁹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂

Peptide 48

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Tyr(Me)¹⁰, Aib¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂

20 Peptide 49

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Tyr(Me)¹⁰, Orn¹², Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂

Peptide 50

25 [Hca-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Tyr(Me)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Agm²⁹]hGH-RH(1-29)

Peptide 51

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Tyr(Me)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Agm²⁹]hGH-RH(1-29)

Peptide 52

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[Hca-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Tyr(Me)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹, Har³⁰]hGH-RH(1-30)NH₂

Peptide 53

[Dat-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Tyr(Me)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹, Har³⁰]hGH-RH(1-30)NH₂

35 Peptide 54

[Ipa-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Tyr(Me)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹, Har³⁰]hGH-RH(1-30)NH₂

Peptide 55

[Hca-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Tyr(Me)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹, Har³⁰]hGH-RH(1-30)NH₂ Peptide 56

[Hca-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Tyr(Me)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, D-Arg²⁹, Har³⁰]hGH-RH(1-5 30)NH₂ Peptide 57

[Hca-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Tyr(Me)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹, D-Arg³⁰]hGH-RH(1-30)NH₂ Peptide 58

10 [Hca-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Tyr(Me)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹, Agm³⁰]hGH-RH(1-30) Peptide 59

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Tyr(Me)¹⁰, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹, Agm³⁰]hGH-RH(1-30) Peptide 60

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[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Tyr(Me)¹⁰, His¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 62

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Tyr(Me)¹⁰, Har¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-20 29)NH₂ Peptide 63

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Tyr(Me)¹⁰, Amp¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 64

25 [PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Tyr(Me)¹⁰, Cit¹¹, Abu¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 65

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Tyr(Me)¹⁰, Abu¹⁵, His²⁰, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 84

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[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Har⁹, Tyr(Me)¹⁰, His¹¹, Abu¹⁵, His²⁰, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 85

[PhAc-Tyr¹, D-Arg², Phe(pCl)⁶, Arg⁹, Cit¹⁵, Nle²⁷, D-Arg²⁸, Har²⁹]hGH-RH(1-29)NH₂ Peptide 90

16. (PREVIOUSLY AMENDED)The method of suppressing IGF-I or IGF-II levels in the tumor tissue of a patient having a cancer carrying receptors for IGF-I by administering to said patient a suppressively effective amount of a compound of claim 1

5 17. (PREVIOUSLY AMENDED)The method of suppressing VEGF levels in the tumor tissue of a patient having a cancer by administering to said patient a suppressively effective amount of a compound of claim 1.

18. (PREVIOUSLY AMENDED)The method of suppressing levels of IGF-I in a patient in
10 need of same by administering to said patient a suppressively effective amount of a compound of claim 1 .

19. (PREVIOUSLY AMENDED)The method of suppressing serum IGF-I levels in a patient having a cancer carrying receptors for IGF-I by administering to said patient a suppressively
15 effective amount of a compound of claim 1.

20. (PREVIOUSLY AMENDED)The method of suppressing GH levels in a patient having a cancer carrying receptors for IGF-I or GH by administering to said patient a suppressively effective amount of a compound of claim 1.

20

21. Cancelled

22. (PRESENTLY AMENDED) A pharmacologically administrable composition ~~for the suppression of levels of GH in a patient~~ consisting essentially of a compound of claim 1 and a
25 pharmacologically acceptable carrier.

23. - 28 Cancelled